

WHAT IS CLAIMED IS:

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~~1. A liquid crystal display device comprising:  
a liquid crystal display panel;  
a data driver connected to the liquid  
crystal display panel; and  
a gate driver connected to the liquid  
crystal display panel,  
the data driver being divided into a  
plurality of blocks, which simultaneously supply the  
liquid crystal display panel with display signals  
respectively supplied thereto.~~

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~~2. The liquid crystal display device as  
claimed in claim 1, wherein each of the blocks  
comprises:  
a shift register;  
signal lines to which the display signals  
are supplied;  
data bus lines connected to the signal  
lines and the liquid crystal display panel; and  
analog switches provided in the data bus  
lines and controlled by an output signal of the  
shift register.~~

~~3. The liquid crystal display device as  
claimed in claim 1, further comprising a driver~~

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device which receives display data externally supplied and outputs the display signals derived therefrom to the blocks of the data driver.

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4. The liquid crystal display device as claimed in claim 1, further comprising a plurality of driver devices which are respectively associated with a plurality of ones of the blocks, each of the plurality of driver devices receiving display data externally supplied and outputting the display signals derived therefrom to associated blocks of the data driver.

20 5. The liquid crystal display device as claimed in claim 4, wherein the display signal lines of the associated blocks have parts extending from one of the plurality of driver devices through a space located between the associated blocks.

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6. The liquid crystal display device as claimed in claim 1, further comprising a substrate on which said liquid crystal display panel, said data driver, and said gate driver are integrally formed.

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7. The liquid crystal display device as claimed in claim 1, wherein said data driver comprises polysilicon transistors.

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8. The liquid crystal display device as claimed in claim 3, further comprising a display signal supply device which outputs the display data to the driver device.

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9. The liquid crystal display device as claimed in claim 8, wherein the display signal display device is formed on the liquid crystal display panel.

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10. The liquid crystal display device as claimed in claim 4, further comprising a display signal supply device which outputs the display data to the plurality of driver devices.

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11. The liquid crystal display device as claimed in claim 1, wherein each of the plurality of blocks supplies the liquid crystal display panel with a given number of display signals at once.

E2 C4 H4 T4 E2 S2 G2

E2  
C4

*Claim ED*

12. The liquid crystal display device as  
claimed in claim 3, wherein said driver device  
comprises a shift register which outputs a shift  
signal, first latch circuits which latches the  
5 display data in response to the shift signal, and  
second latch circuits which latches the display data  
from the first latch circuits in response to a latch  
enable signal externally supplied.

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13. The liquid crystal display device as  
claimed in claim 12, further comprising digital-to-  
15 analog converters which convert the display data  
from the second latch circuits into analog signals.

*Add as*